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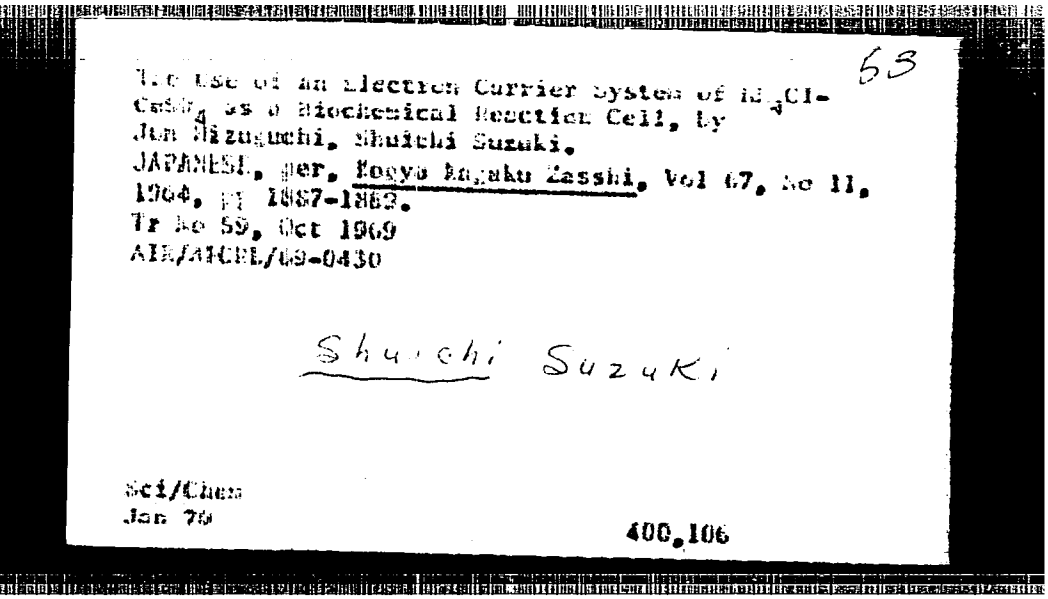

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Order from OTS or SLA $1.10 61-18192

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1944, p. 440-445.

DESCRIPTORS: Hydrocarbons, Monocyclic compounds, *Cyclohexenes, *Cyclopentenes, Molecular isomerism, Chemical reactions, Catalysis.

When cyclohexyl chloride is contacted with alumina containing 10 per cent ferric oxide at 300°, a virtually complete elimination of hydrogen chloride takes place. This reaction is accompanied by isomerization of the cyclohexene formed, yielding 1-methyl-1-cyclopentene as the principal product and 1-methyl-2-cyclopentene in subordinated quantities. Hydrogen chloride, elimi-

61-18192

I. Shuikin, N. I.

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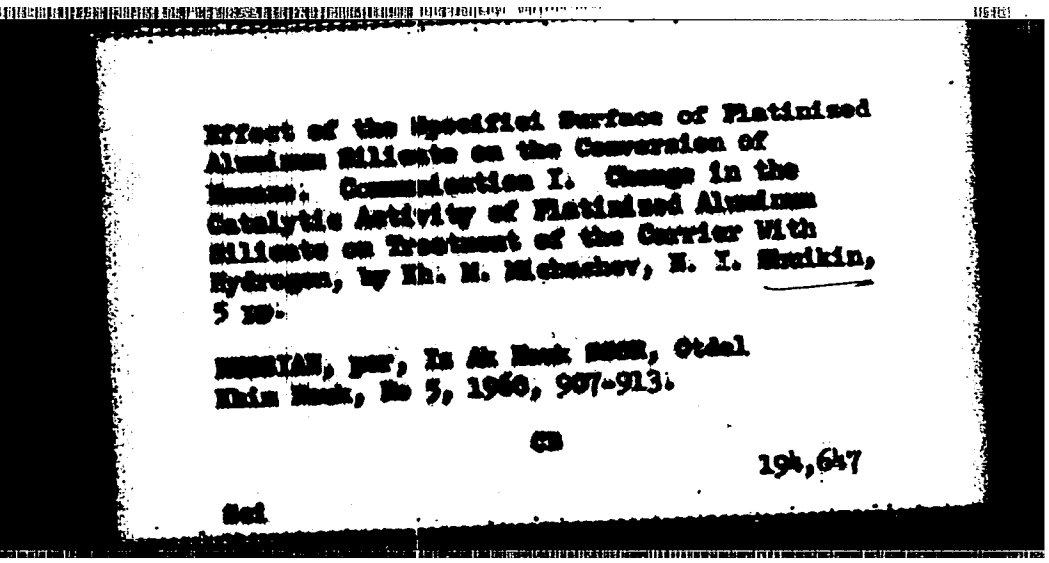

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[Condensed] trans. of Uspekhi Khimii (USSR) 1946, v. 15, no. 3, p. 343-358.

DESCRIPTORS: *Hydrocarbons, Production, Petroleum, Gasoline, Kerosene, Pyrolysis, Decomposition, Dehydrogenation, Platinum, Catalysts, Alumina-nickel catalysts, Catalysis.

(Chemistry--Organic, TT, v. 7, no. 12)

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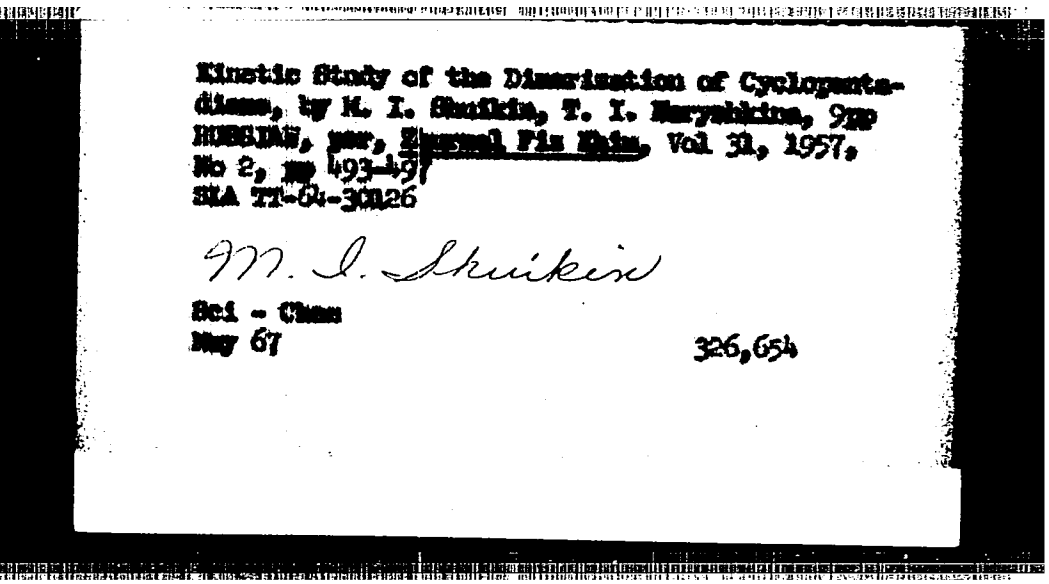

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